

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

ORDER NO. 85-55
NPDES NO. CA0028339

WASTE DISCHARGE REQUIREMENTS FOR:

PACIFIC GAS & ELECTRIC COMPANY
OAKLAND FACILITY
OAKLAND, ALAMEDA COUNTY

The California Regional Water Quality Control Board, San Francisco Bay Region, (hereinafter Board) finds that:

1. Pacific Gas and Electric Company, hereinafter called the discharger, was issued Regional Board Order No. 78-22, an NPDES permit prescribing waste discharge requirements for generators and fuel oil storage facilities at Oakland, Alameda County. This permit expired on March 20, 1983, but has remained in effect pursuant to the discharger's application for reissuance. The discharger filed an application on September 20, 1982 for re-issuance of the NPDES permit and subsequently amended the application.
2. The discharger's facility consists of three gas turbine generators and a fuel oil storage tank in a two acre parcel at Grove (Martin Luther King Jr. Ave.) and First Streets in Oakland. The discharge is described as follows:

Waste 001 - rainwater runoff and area washdown, which is impounded in a 40,000 gallon holding basin and treated prior to discharge by flocculant addition and sand filtration.

Waste 002 - reject water from the combustion water demineralizer, which is pH adjusted in a 3500 gallon holding tank prior to discharge to the holding basin. The discharge from the holding basin is discharged via the Grove Street storm drain and subsequently to lower San Francisco Bay. Whenever there is a discharge, the maximum daily flow will be 40,000 gallons per day.

3. The Regional Board adopted a revised Water Quality Control plan, San Francisco Bay Basin (Basin Plan) on July 21, 1982. The Basin Plan contains water quality objectives for San Francisco Bay.
4. The beneficial uses of San Francisco Bay are:
 - a) water contact recreation
 - b) non-contact water recreation
 - c) Navigation
 - d) Industrial Service Supply
 - e) Ocean Commercial and Sport Fishing
 - f) Wildlife Habitat
 - g) Preservation of Rare & Endangered Species
 - h) Fish migration and Spawning
 - i) Shellfish Harvesting
 - j) Estuarine Habitat
5. Effluent limitation and toxic effluent limits established pursuant to Sections 301, 304, and 307 of the Clean Water Act (CWA) and amendments thereto are applicable to the discharge.
6. The action to adopt an NPDES permit is exempt from the provisions of the California Environmental Quality Act (Public Resources Code Section 21000 et seq.), in accordance with Section 13389 of the California Water Code.
7. The Board has notified the discharger and interested agencies and persons of its intent to prescribe waste discharge requirements for the proposed discharge and has provided them with an opportunity for a public hearing and an opportunity to submit their written views and recommendations.
8. The Board, in a public meeting, heard and considered all comments pertaining to the discharge.

IT IS HEREBY ORDERED, that the Pacific Gas and Electric Company, Oakland Facility, in order to meet the provisions contained in Division 7 of the California Water Code and regulations adopted thereunder, and the provisions of the Federal Water Pollution Control Act and regulations and guidelines adopted thereunder, shall comply with the following:

A. Discharge Prohibitions

1. The discharge of process wastes to waters of the State is prohibited.
2. The discharge of material spills to waters of the State is prohibited. Spills shall be promptly cleaned up to prevent mixing with subsequent stormwater runoff.

B. Effluent Limitations

1. During periods in which Wastes 001 and 002 are discharged, the discharge in excess of the following limits are prohibited:

<u>Constituent</u>	<u>Units</u>	<u>Maximum Daily</u>
Oil & Grease	mg/l	20.0
Total Suspended Solids	mg/l	100.0

2. The discharge shall not have a pH of less than 6.5 nor greater than 8.5.

C. Receiving Water Limitations

1. The discharge of waste shall not cause the following conditions to exist in waters of the State at any place.
 - a. Floating, suspended, or deposited macroscopic particulate matter or foam;
 - b. Bottom deposits or aquatic growths;
 - c. Alteration of temperature or apparent color beyond present natural background levels;
 - d. Visible, floating, suspended, or deposited oil or other products or petroleum origin;
 - e. Toxic or other deleterious substances to be present in concentrations or quantities which will cause deleterious effects on aquatic biota, wildlife, or

waterfowl, or which render any of these unfit for human consumption either at levels created in the receiving waters or as a result of biological concentration.

2. The discharge of waste shall not cause the following limits to be exceeded in waters of the State in any place within one foot of the surface:

- a. Dissolved oxygen 5.0 mg/l minimum - median for any three consecutive months not less than 80% saturation. When natural factors cause lesser concentration(s) than specified above, then discharge shall not cause further reduction in the concentration of dissolved oxygen.
- b. pH Variation from natural ambient pH by more than 0.5 pH units.

3. The discharge shall not cause a violation of any applicable water quality standards for receiving waters adopted by the Board or the State Water Resources Control Board as required by the Clean Water Act and regulations adopted thereunder. If more stringent applicable water quality standards are promulgated or approved pursuant to Section 303 of the Clean Water Act, or amendments thereto, the Board will revise and modify this Order in accordance with such standards.

D. Provisions

1. Neither the discharge nor its treatment shall create a nuisance or pollution as defined in Section 13050 of the California Water Code.
2. The discharger shall comply with a Self-Monitoring Program as adopted by the Regional Board, and as may be amended by the Executive Officer.
3. The requirements prescribed herein do not authorize the commission of any act causing injury to property of

another, nor protect the discharger from his liabilities under federal, state or local laws, nor guarantee the discharger a capacity right in the receiving waters.

4. In the event of any change in control or ownership of land or waste, the discharge shall notify the succeeding owner or operator of the existence of this Order by letter, a copy of which shall be forwarded to this office.
5. The discharger shall permit the Regional Board:
 - (a) Entry upon premises where an effluent source is located or in which any required records are kept;
 - (b) Access at reasonable times to copy any records required to be kept under terms and conditions of this Order;
 - (c) Sampling at reasonable times of any discharge.
6. The discharger shall maintain in good working order and operate as efficiently as possible any facility or control system installed by the discharger to achieve compliance with the waste discharge requirements.
7. After notice and opportunity for a hearing, this Order may be modified, suspended, or revoked, in whole or in part, during its term for cause including, but not limited to, the following:
 - (a) Violation of any terms or conditions of this Order;
 - (b) Obtaining this Order by misrepresentation or failure to disclose fully all relevant facts;
 - (c) A temporary or permanent reduction or elimination of the authorized discharge; or,
 - (d) A change in character, location or volume of discharge.

This permit shall be modified or alternatively revoked and reissued to comply with any applicable effluent standard or limitation issued or approved under Sections 301(b)(2)(c), and (D), 303 304(b)(2), and 307(a)(2) of the Clean Water Act, if the effluent standard or limitation so issued or approved:

- (a) Contains different conditions or is otherwise more stringent than any effluent limitation in the permit; or
 - (b) Controls any pollutant not limited in the permit.
9. All applications, reports, or information submitted to the Regional Board shall be signed and certified pursuant to Environmental Protection Agency (40CFR 122.41K).
 10. Pursuant to Environmental Protection Agency regulations [40 CFR 122.42(a)] the discharger must notify the Regional Board as soon as it knows or has reason to believe (1) that they have begun or expect to begin, use or manufacture of a pollutant not reported in the permit application, or (2) a discharge of a toxic pollutants not limited by this permit has occurred, or will occur, in concentrations that exceed the specified limits.
 11. The discharger shall comply with all provisions of this Order immediately upon adoption.
 12. Order No. 78-22 is hereby rescinded.
 13. This Order expires on May 15, 1990 and the discharger must file a Report of Waste Discharge in accordance with Title 23, California Administrative Code, not later than 180 days in advance of such data as application for issuance of new waste discharger requirements.
 14. This Order shall serve as a National Pollutant Discharge Elimination System permit pursuant to Section 402 of the Federal Water Pollution Control Act or amendments thereto, and shall take effect at the end of 10 days from date of adoption provided the Regional Administrator, Environmental Protection Agency, has no objections.

I, Roger B. James, Executive Officer, do hereby certify the foregoing is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, San Francisco Bay Region, on May 15, 1985.

ROGER B. JAMES
Executive Officer

Attachments:
SMP

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

SELF-MONITORING PROGRAM

FOR

PACIFIC GAS & ELECTRIC COMPANY
OAKLAND FACILITY
OAKLAND, ALAMEDA COUNTY

PART A

A. GENERAL

Reporting responsibilities of waste dischargers are specified in Sections 13225(a), 13267(b), 13268, 13383, and 13387(b) of the California Water Code and this Regional Board's Resolution No. 73-16.

The principal purposes of a self-monitoring program by a waste discharger, are: (1) to document compliance with waste discharge requirements and prohibitions established by this Regional Board, (2) to facilitate self-policing by the waste discharger in the prevention and abatement of pollution arising from waste discharge.

B. SAMPLING AND ANALYTICAL METHODS

Sample collection, storage, and analyses shall be performed according to the latest edition of Standard Methods for the Examination of Water and Wastewater prepared and published jointly by the American Public Health Association, American Water Works Association, and Water Pollution Control Federation, or other methods approved and specified by the Executive Officer of this Regional Board including the methods specified in attached Appendix A

Commercial Laboratory Analyses

Water and waste analyses shall be performed by a laboratory approved for these analyses by the State Department of Health or a laboratory approved by the Executive Office. The director of the laboratory whose name appears on the certification shall supervise all analytical work in his laboratory and shall sign all reports of such work submitted to the Regional Board.

In-house Laboratory Analyses

- i The Board will accept analytical data from an in-house laboratory which is not currently certified if the discharger agrees in writing to: (1) perform all analyses in accordance with the latest edition of "Guidelines Establishing Test Procedures for Analysis of Pollutants promulgated by the U.S Environmental Protection Agency; (2) implement and maintain a satisfactory quality assurance program, ((comparable to State Department of Health Services Standard)); (3) demonstrate a good agreement in analytical results with those a previously certified laboratory in split sampling; and (4) become certified within a reasonable time if the State certification program is reinstated.

All monitoring instruments and equipment shall be properly calibrated and maintained to ensure accuracy of measurements.

C. DEFINITION OF TERMS

1. A grab sample is defined as an individual sample collected in fewer than 15 minutes
2. A composite sample is a combination of individual samples obtained at equal intervals over the specified sampling period. The volume of each individual sample is proportional to the discharge flow rate at the time of sampling.

D. SCHEDULE OF SAMPLING, ANALYSES, AND OBSERVATIONS

The discharger is required to perform observations, sampling, and analyses according to the schedule in Table I.

E. RECORDS TO BE MAINTAINED

1. Written reports, shall be reviewed by the discharger(s) for a minimum of three years. This period of retention shall be extended during the course of any unresolved litigation regarding this discharge or when requested by the Regional Board
 - a. Identity of sampling and observation stations by number.
 - b. Date and time of sampling and/or observations.
 - c. Date and time that analyses are started and completed, and name of personnel performing the analyses.
 - d. Complete procedure used, including method of preserving sample and identity and volumes of reagents used. A reference to specific section of Standard Methods, and EPA method, or approved alternate method from (b) above is satisfactory.
 - e. Results of analyses and/or observations.

F. REPORTS TO BE FILED WITH THE REGIONAL BOARD

Written self-monitoring reports shall be filed monthly (unless specified otherwise in Part B). In addition, an annual report shall be filed as indicated in F-1-f. The reports shall be comprised of the following:

a. Letter of Transmittal:

A letter transmitting self-monitoring reports should accompany each report. Such a letter shall include a discussion of requirement violations found during the past month and actions taken or planned for correcting violations, such as plant operation modifications and/or plant facilities expansion. If the discharger has previously submitted a detailed time schedule for correcting requirement violations, a reference to the correspondence transmitting such schedule will be satisfactory. Monitoring reports and the letter transmitting reports shall be signed by a principal executive officer, at the level of vice president or his duly authorized representative if such representative is responsible for the overall operation of the facility from which the discharge originates. The letter shall contain a statement by the official, under penalty of perjury, that to the best of the signer's knowledge the report is true and correct.

b. Compliance Evaluation Summary

Each report shall be accompanied by a compliance evaluation summary sheet prepared by the discharger. The report format shall be approved by the Executive Officer.

c. Map or Aerial Photograph

A map or aerial photograph shall accompany the report showing sampling and observation station locations.

d. Results of Analyses and Observations

Tabulations of the results from each required analysis or observations specified in Part B by date, time, type of sample, and station, signed by the laboratory director. The report format shall be approved by the Executive Officer.

f. List of Approved Analyses

List of analyses performed for the discharger by another approved laboratory currently or previously approved by the State Department of Health Service (and copies of reports signed by the laboratory director of that laboratory shall also be submitted as part of the report).

4. Annual Reporting

By January 31 of each year, the discharger shall submit an annual report to the Regional Board covering the previous calendar year. The report shall contain both tabular and graphical summaries of the monitoring data obtained during the previous year. In addition, the report shall contain a comprehensive discussion of

the compliance record and the corrective actions taken or planned which may be needed to bring the discharger into full compliance with the waste discharge requirements. The report format will be prepared by the discharger using the examples shown in APPENDIX D and should be maintained and submitted with each regular self-monitoring report.

PART B

DESCRIPTION OF SAMPLING STATIONS AND SCHEDULE OF ANALYSIS AND OBSERVATIONS

I. Sampling Station Location/Description

Stormwater Runoff

Station

Description

E-001

At any point in the outfall from the holding pond between the point of discharge to Refugio Creek and the point at which all waste tributaries to that outfall are present.

II. Monitoring

The following shall constitute the monitoring program:

<u>Station</u>	<u>Constituent</u>	<u>Units</u>	<u>Type of Sampling</u>	<u>Minimum Frequency of Analyses</u>
E-001	Oil & Grease	mg/l	grab	² monthly
	¹ Monocyclic Aromatic Hydrocarbons	mg/l	grab	² monthly
	Total Suspended Solids	mg/l	grab	² monthly
	pH	pH units	grab	² monthly

¹According to procedure sent on December 6, 1984 from the Executive Officer.

²When discharging

III. Reporting'

Self-Monitoring Reports shall be filed every third month by the fifteenth day of the following month, unless no discharge has occurred.

I, Roger B. James, Executive Officer, hereby certify the foregoing Self-Monitorng Program:

1. Has been developed in accordance with the procedure set forth in this Regional Board's Resolution No. 73-16 in order to obtain data and document compliance with waste discharge requirements established in Regional Board Order No. 85-55.

2. Is effective on the date shown below.
3. May be reviewed at any time subsequent to the effective date upon written notice from the Executive Officer or request from the discharger, and revisions will be ordered by the Executive Officer.

ROGER B. JAMES
Executive Officer

Effective Date